



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Carlyle et al.

Applic No.: 09/186,810

Filed : November 5, 1998

For : PROSTHESIS WITH ASSOCIATED  
GROWTH FACTORS

Docket No.: S16.12-0052

Group Art Unit: 738

Examiner: P. Prebilio

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JUN 21 2001  
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**AMENDMENT**

BOX NON-FEE AMENDMENT  
Assistant Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS  
BEING SENT BY U.S. MAIL, FIRST  
CLASS, TO THE ASSISTANT  
COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

13 DAY OF June, 2001.  
*Roder D. Dardi*  
PATENT ATTORNEY

Sir:

In response to the Office Action mailed on March 13, 2001,  
please enter the following amendments and consider the following  
remarks. Replacement claims are presented below, and marked-up  
claim amendments are presented on separate pages at the end of this  
Amendment.

IN THE CLAIMS

Please replace claim 1 with the following:

1. (Four Times Amended) A prosthesis comprising a substrate  
and a polypeptide growth factor associated with the substrate by  
covalent bonding using crosslinking agents, antibody-antigen  
associations, specific binding protein-receptor associations or  
enzyme-substrate associations, wherein the crosslinking agents  
comprise at least two aldehyde functional groups that form covalent  
bonds to link the crosslinking agent with the polypeptide growth  
factor and the substrate, the polypeptide growth factor associated  
with the substrate being effective to stimulate association of  
viable cells with the substrate.